

**INTAKE COMMENT (BUILDING):**

*General structural notes reference a geotechnical report. Provide the geotechnical report for review, or replace this section of the general structural notes with the assumptions and method of confirming in field.*

**RESPONSE:**

A geotechnical report and addendum are provided as a part of the submission.

References to the geotechnical report are called out on sheet S1.1.

**INTAKE COMMENT (BUILDING):**

*Provide calculations for the determination of the Kzt Factor if the value used is less than that indicated on the City of Mercer Island Wind map: City mapping indicates a Kzt of 1.6, calculations reflect 1.0*

**RESPONSE:**

The Kzt factor (topographical effects) should be included only if all of the five conditions indicated in Section 26.8.1 of ASCE 7-16 are met. The last 11 pages of the structural calculations provide criteria sheets for both the detached gym building and the garage where we have provided calculations of the Kzt factors, including the determination of the five conditions indicated in Section 26.8.1.

Our analysis has concluded that the Kzt factor can be 1.0 based on Section 26.8.1 of ASCE 7-16 (see file 'ASCE 7-16 Kzt Code Excerpt').

**INTAKE COMMENT (CIVIL/SITE/UTILITIES):**

*Based on the new site plan, the project will result in a net increase of impervious surface area more than 500 sf, this project will require to provide a full drainage plan and drainage report prior to intake.*

**RESPONSE:**

A full drainage plan is shown on sheet C2.00.

Drainage report is provided separately – see form 'SECTION A: SMALL PROJECT STORMWATER SITE PLAN/REPORT.'

**INTAKE COMMENT (PLANNING):**

*Property is located within an erosion hazard area. A Critical Area Review 2 land use permit is required in compliance with MICC 19.07.090(B), 19.07.110, and 19.07.160.*

**RESPONSE:**

As outlined in MICC 19.07.090.B.2.b.ii, we are 'requesting a consolidated review of CAR2 together with our construction permit review'. A 'Concurrent Review' application form is attached.

The submittal documents for the CAR 2 land use permit are the 'Development Application Sheet', 'Title Report', 'Title Report Map' and 'Geotechnical report'. Project Narrative and Critical Areas Study are addressed within the 'Geotechnical report'.